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## UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 20488/12 U.S.

Total Pages in this Submission 94

### TO THE ASSISTANT COMMISSIONER FOR PATENTS

Box Patent Application Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

MODULATION OF CENTRAL NERVOUS SYSTEM (CNS) DIPEPTIDYL PEPTIDASE IV (DPIV)-LIKE ACTIVITY FOR THE TREATMENT OF NEUROLOGICAL AND NEUROPSYCHOLOGICAL DISORDERS

| AC.   | rivi7       | ΓY F        | OR THE                         | TREATMEN        | r of   | NEUROLOG              | SICAL AND NEU    | JROPSYCHOLOGICAL D         | DISORDERS        |
|---|-------------|-------------|--------------------------------|-----------------|--------|-----------------------|------------------|----------------------------|------------------|
| d in  | vente       | d by        | <del></del>                    |                 |        |                       |                  |                            |                  |
|   |             | -           |                                | Hans-Ulrich I   | emu    | th, Ants Kask         | , Matthias Hoffm | ann, Huu Phuc Nguyen an    | d Susanne Kruber |
|   |             |             |                                |                 |        |                       |                  |                            |                  |
|   |             |             |                                |                 |        |                       |                  |                            |                  |
| a C   | ONT         | NUA         | TION AF                        | PPLICATION,     | chec   | k appropriate         | box and supply   | the requisite information: |                  |
|   | Conti       | nuat        | ion 🗆                          | Divisional      |        | Continuation          | on-in-part (CIP) | of prior application No.:  |                  |
| hich  | h is a      | :           |                                |                 |        |                       |                  |                            |                  |
| į (   | Conti       | nuat        | ion 🗆                          | Divisional      |        | Continuation          | on-in-part (CIP) | of prior application No.:  |                  |
| hich  | h is a      |             |                                |                 |        |                       | ٠                |                            |                  |
| ) (   | Conti       | nuat        | ion 🗆                          | Divisional      |        | Continuation          | on-in-part (CIP) | of prior application No.:  |                  |
|   |             |             |                                |                 |        |                       |                  |                            |                  |
|   | sed a       | re:         |                                |                 |        | Annlica               | tion Elements    |                            |                  |
| 1.  |             |             |                                |                 |        |                       |                  |                            |                  |
| 1.  | $\boxtimes$ | Filin       | ig fee as                      | calculated an   | d trar | nsmitted as d         | escribed below   |                            |                  |
| 2.  | <b>X</b>    | Spe         | cification                     | having          |        | 51                    | pages and i      | ncluding the following:    |                  |
|   |             | ·           |                                |                 |        |                       |                  |                            |                  |
| a. 🗵 Descriptive Title of the Invention                       |             |             |                                |                 |        |                       |                  |                            |                  |
| b. 🗵 Cross References to Related Applications (if applicable) |             |             |                                |                 |        |                       |                  |                            |                  |
|   | C.          |             | Stateme                        | ent Regarding   | Fede   | erally-sponso         | red Research/De  | evelopment (if applicable) |                  |
|   | d.          |             | Referen                        | ice to Microfic | he A   | ppendix <i>(if ap</i> | plicable)        |                            |                  |
|   | e.          | $\boxtimes$ | Backgro                        | ound of the Inv | ventic | on                    |                  |                            |                  |
|   | f.          | ×           |                                |                 |        |                       |                  |                            |                  |
|   |             | <u> </u>    | Brief Summary of the Invention |                 |        |                       |                  |                            |                  |
|   | g.<br>L     |             |                                |                 |        |                       |                  |                            |                  |
|   |             | <b>X</b>    |                                | d Description   |        |                       |                  |                            |                  |
|   | i.          | X           | Claim(s)                       | ) as Classified | d Belo | ow                    |                  |                            |                  |
|   | j.          | $\boxtimes$ | Abstract                       | t of the Disclo | sure   |                       |                  |                            |                  |

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### **Application Elements (Continued)**

| 3.   | X           | Drawing(s) (when necessary as prescribed by 35 USC 113)  |  |  |  |  |  |  |  |
|--|-------------|--|--|--|--|--|--|--|--|
| 4. <b>1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1</b> | a.          |  |  |  |  |  |  |  |  |
|  | $\boxtimes$ | Oath or Declaration  |  |  |  |  |  |  |  |
|  | a.          | .   Newly executed (original or copy)  Unexecuted  |  |  |  |  |  |  |  |
|  | b.          | ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)  |  |  |  |  |  |  |  |
|  | C.          | ☑ With Power of Attorney ☐ Without Power of Attorney   |  |  |  |  |  |  |  |
|  | d.          | ☐ <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).  |  |  |  |  |  |  |  |
|  |             | Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. |  |  |  |  |  |  |  |
| 변 6.   |             | Computer Program in Microfiche   |  |  |  |  |  |  |  |
| s<br>⊭7.   |             | Genetic Sequence Submission (if applicable, all must be included)  |  |  |  |  |  |  |  |
| 부7.<br>이<br>미<br>미                                 | a.          | ☐ Paper Copy   |  |  |  |  |  |  |  |
| o<br>C   | b.          | □ Computer Readable Copy   |  |  |  |  |  |  |  |
| H  | C.          | ☐ Statement Verifying Identical Paper and Computer Readable Copy   |  |  |  |  |  |  |  |
|  |             | Accompanying Application Parts   |  |  |  |  |  |  |  |
| .8.  | X           | Assignment Papers (cover sheet & documents)  |  |  |  |  |  |  |  |
| 9.   |             | 37 CFR 3.73(b) Statement (when there is an assignee)   |  |  |  |  |  |  |  |
| 10.  |             | English Translation Document (if applicable)   |  |  |  |  |  |  |  |
| 11.  |             | Information Disclosure Statement/PTO-1449  |  |  |  |  |  |  |  |
| 12.  |             | Preliminary Amendment  |  |  |  |  |  |  |  |
| 13.  | ×           | Acknowledgment postcard  |  |  |  |  |  |  |  |
| 14.  | ×           | Certificate of Mailing   |  |  |  |  |  |  |  |
|  |             | ☐ First Class ☒ Express Mail (Specify Label No.): EF358048230US  |  |  |  |  |  |  |  |

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| 15. | Certified Copy of Priority Document(s) (if foreign priority is claimed) |
|-----|---|
| 16. | Small Entity Statement(s) - Specify Number of Statements Submitted:     |
| 17. | Additional Enclosures (please identify below):                          |
|     |   |

**Accompanying Application Parts (Continued)** 

### Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

☑ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

### Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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#### Fee Calculation and Transmittal

| CLAIMS AS FILED   |                    |          |        |   |                  |          |  |
|---|--------------------|----------|--------|---|------------------|----------|--|
| 두 For   | #Filed             | #Allowed | #Extra |   | Rate             | Fee      |  |
| Total Claims  | 13                 | - 20 =   | 0      | x | \$9.00           | \$0.00   |  |
| Indep. Claims   | 2                  | - 3 =    | 0      | x | \$40.00          | \$0.00   |  |
| Multiple Dependent Cl   | \$0.00             |          |        |   |                  |          |  |
| E .   | BASIC FEE \$370.00 |          |        |   |                  |          |  |
| OTHER FEE (specify  | purpose)           |          |        |   |                  | \$0.00   |  |
|   | · •                |          |        | · | TOTAL FILING FEE | \$370.00 |  |
| A check in the amount of \$370.00 to cover the filling fee is enclosed.  The Commissioner is hereby authorized to charge and credit Deposit Account No. 50-0369 as described below. A duplicate copy of this sheet is enclosed.  Charge the amount of as filling fee.  Credit any overpayment.  Charge any additional filling fees required under 37 C.F.R. 1.16 and 1.17.  Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).  Dated: October 26, 2001  Signature  John C. Serio (Reg. No. 39,023)  Brown Rudnick Freed & Gesmer Customar No. 21710  One Financial Center, Box IP  Boston, MA 02111  Tel: 617-856-8238  CC: Fax: 617-856-8201 |                    |          |        |   |                  |          |  |

| CERTIF   |  | MAILING BY "EXPRESS I<br>en, et al                                   | MAIL" (37 CFR 1.10)                            | Docket No.<br>20488/12 U.S.  |  |  |  |  |
|--|--|--|--|------------------------------|--|--|--|--|
|  | al No.   | Filing Date<br>October 26, 2001                                      | Examiner<br>UNASSIGNED                         | Group Art Unit<br>UNASSIGNED |  |  |  |  |
| Invention:   | Modulation of Neurologic   | of Central Nervous System (CNS)<br>cal and Neuropsychological Disord | Dipeptidyl Peptidase IV (DPIV)-Lik<br>ders     | e Activity for the Treatmen  |  |  |  |  |
| Applicat   | I hereby certify that the following correspondence:  Application, Utility Patent Application Transmittal, Check for \$370.00, Declaration and Power of Attorney, Assignments, Recordation Cover Sheet, Check for \$40.00 and Postcard. |  |  |                              |  |  |  |  |
|  |  | , ,  | of correspondence)                             |                              |  |  |  |  |
| is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under  37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on  October 26, 2001  (Date)  Renee M. Mason  (Typed or Printed Name of Person Mailing Correspondence) |  |  |  |                              |  |  |  |  |
| <b>5</b>   |  |  | (Signature of Person Mailing Corre             | espondence)                  |  |  |  |  |
|  |  |  | EF358048230US<br>("Express Mail" Mailing Label |                              |  |  |  |  |

Note: Each paper must have its own certificate of mailing.